

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : VICTOR CO OF JAPAN LTD

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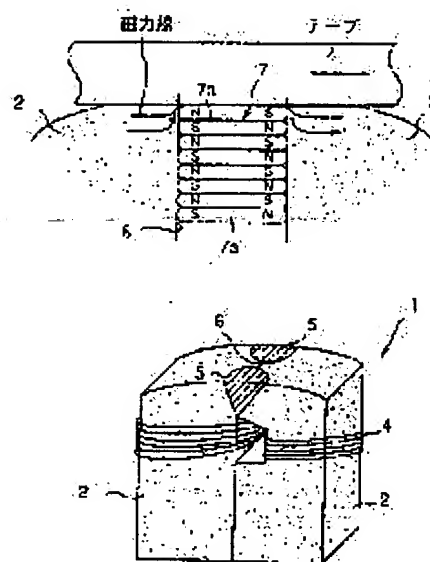
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(54) RING-SHAPED MAGNETIC HEAD

(57)Abstract:

PURPOSE: To sufficiently draw performance of a magnetic recording medium by filling a permanent magnet material made of many microscopic magnets in a gap at the end of a core of a ring-shaped magnetic head.

CONSTITUTION: In a ring-shaped magnetic head 1, a pair of cores 2, 2 made of Mn-Zn ferrite are connected, a window 3 for a winding is formed at one core 2, a coil 4 is wound, low melting point glass 5 is filled in a track width control groove, and a gap 6 is formed. A permanent magnet material 7 made of many microscopic magnets 7a,... is filled in the gap 6, and the material 7 is formed by sputtering. Approximately 1/2 of a magnetic flux generated in the gap at the time of recording or reproducing is bent perpendicularly by the same polarity repelling on the surfaces of the gap 6 to become a strong magnetic field of a perpendicular component. Thus, performance of a magnetic recording medium can be sufficiently drawn.



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